



# **Accotink Flow TMDL** **Rational for Impervious Cover**

**Accotink TAC**  
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# Rational for Impervious Cover

## PROs:

- Precedent has been set
  - Potash Brook
  - Eagleville Brook
- Numerous support studies on IC and aquatic life relationships
- IC data is site specific to TMDL watershed
  - IC targets available for each Va ecoregion
  - correlation of SCI and IC has started

# Rational for Impervious Cover (continued)

## **PROs:**

- IC impacts easily understood by public
- Basic source of impairment

## **CONs:**

- IC reductions convey image of physical removal
  - rather than mitigation of exacerbated flows

# Considered TSS

## **PROs:**

- Virginia has precedent for numerous TSS TMDLs
- IC more comprehensive approach

## **CON:**

- Major TSS source is bottom scour / bank erosion
  - small overland transport of TSS from watershed

# Considered Flow (Q)

## **PROs:**

- Flow is physical stressor
- Flow frequency shifts can be quantified via long term flow gage in watershed

## **CON:**

- Many TMDL urban watersheds do not have long term flow gages

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